

PAARA NEWSLETTER VOLUME 52 NUMBER 11, November 2003



PAARAgraphs

Celebrating 66 years as an active ham radio club—Since 1937 Newsletter for the Palo Alto Amateur Radio Association, Inc.





CALENDAR

November....7 PAARA Meeting, 7:30

Menlo Park Recreation Center 700 Alma Street, Menlo Park

November..12 PAARA Board Meeting 7:30

Red Cross Bld., 400 Mitchell Ln., Palo Alto

December....5 PAARA Meeting, 7:30

December...10 PAARA Board Meeting, 7:30

January......? PAARA Meeting, 7:30

January......? PAARA Board Meeting, 7:30

The ARRL has a code practice:

URL http://www.pcpractice.com/CW/
-Don KF6JMQ



PROGRAM

November 7, 2003 7:30 P.M

Speaker:

Lars Karlsson AA6IW

24 GHz EME

(Earth-Moon-Earth) Moon Bounce

Join us for pre-meeting eyeball

at Su Hong Restaurant , 1039 El Camino Real, Menlo Park Food will be served at 6:00 sharp, so guests will be on time for the PAARA

Food will be served at 6:00 sharp, so guests will be on time for the PAARA meeting. Those arriving late will be responsible for their own order and bill.

-PAARA Radio NET every Monday evening at 8:30 P.M.,local time on the 145.230 -600 MHz repeater, PL tone off



November 7th Program: 24 GHz EME (Earth-Moon-Earth) Moon Bounce

Lars Karlsson AA6IW, 24 GHz EME World Record Holder, will talk about the construction of EME stations and the equipment used for the 24 GHz World Distance Record. Learn what it's like to be in an EME QSO, and what obstacles new enthusiasts encounter.

Attention Members / Advance Notice:

Get your "show and tell projects" ready for the **December** 5th PAARA meeting

~Jim,K6AK

Editor

Miscellaneous

ELECTRONIC FLEA MARKET @ Foothill College

Second Saturday of month, March -October, 6 AM-2PM Perham Foundation Sponsorship has discontinued. The Flea Market will continue under a new sponsor.

PAARA Palo Alto Amateur Radio Association

meets 1st Friday 7:30 each month, Net 145.230 each Monday 8:30, contact: Andreas Junge N6NU.......(650) 233 0843

FARS Foothills Amateur Radio Society meets 4th Friday 7:30 each month, contact: http://www.fars.k6ya.org.

NCDXC Northern California DX Club

meets 2nd Friday 7:30 each month, repeater for member info 147.360, Thur 8:00PM, contact: Mike Gavin W6WZ, (650) 851 8699.

NorCalQRP Northern California QRP Club

meets 1st Sunday each month, contact: Jim Cates 3241 Eastwood Rd., Sacramento, CA 95821

SPECS Southern Peninsula Emergency Communication System meets each Monday 8:00PM on Net 145.27, 440.80 MHz, www.specsnet.org contact: Tom Cascone, KF6LWZ, 650-688-0441 .specs@svpal.org

SCARES South County Amateur Radio Emergency Service meets 3rd Thursday 7:30 each month, San Carlos City Hall. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings.

SCCARA Santa ClaraCounty Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.385+(pl 114.8) Nets: 2m, 7:30 Mon; 70cm, 442.425+ (pl 107.2) Thur. Web site www.qsl.net/socara meets 2nd Mon each month @ 7:30 PM. contact: Clark Murphy KE6KXO 408-262-9334 ARRL/VEC license testing contact 408-243-8349

SVECS Silicon Valley Emergency Communications Operates WB6ADZ repeater (146.115 MHz+) contact: Lou Stierer WA6QYS 408 241 7999

WVARA West Valley Amateur Radio Association

operates W6PIY repeater 147.39+, 223.96, 441.875, 1286.2 meets 3rd Wed every month.

s 3rd wed every monm. contact: Glen Lokke Jr. KE6NBO at 408 971 8626, or glokke@pacbell.net

Perham Foundation (discontinued)

Disaster Services,

PALO ALTO CHAPTER, American Red Cross, www.paarc.org

400 Mitchell Lane Meets 3rd Wed. each month 7:30PM, HF, packet, BBS, ATV, OSCAR Gateway, NASA satellite. contact: Mac Millian 650-688-0423. MACM@paurc.org

SAN JOSE CHAPTER. American Red Cross contact: Scott Hensley KB6UOO, (408) 967 7924, FSHENSLEY@NOVELL.COM

VE Exams, 3rd Saturday each month, 10:30AM, 145.23 - PL=100Hz Redwood City Main Library, Community Conference Room 1044 Middlefield Road, Redwood City, CA contact: Al WB6IMX@att.net.

Swap meet, LosPositas College, Livermore, 1st Sunday each month. Contact: Cliff Kibbe (209) 835 6715 or Eliot Ross (925) 606 7710

(please send changes to PAARAgraphs editor: k6uro@arrl.net)

LIFE MEMBERSHIP

Awarded by Action of the PAARA Board

Ron Panton, W6VG Leslie Vickery, W6AKR

Palo Alto Amateur Radio Association, Inc. PO Box 911

Menlo Park, CA 94026

	Tribulation of the state of the	
President	Andreas Junge N6NU(650)	233 0843
	n6nu@arrl.net	
Vice President	Jim Rice, K6AK(650) 8	51 -2274
	k6ak@arrl.net	
Secretary	Terry Finn, AF6TF(650)	366 -9111
	terry@incognitoservices.com	
Treasurer	Bob Korte, KD6KYT(650)	595 1842
	rgk4u@aol.com	
Membership	Vic Black, AB6SO(650)	366 0636
	ab6so@smrn.com	
Membership	Lisa Rice, KG6KQS(650)	851-2274
	lisarice@earthlink.net	
W6OTX Station	TrusteeGerry Tucker, N6NV(650)	326 4908
K6YQT Station	TrusteeGerry Tucker, N6NV(650)	326 4908
Property	Gerry Tucker, N6NV(650	326 4908
Badges	Don Trask, KF6JMQ(408)	251 6494
Ticket Master	Kyle Rice, KG6MSK	
ARES Officer	Lily Anne Hillis, N6PGM(650)	325 5484
Advertising	Bob Korte, KD6KYT(650)	595 1842
Webmaster	Curt Kolovson, AE6EJ	
	ae6ej@arrl.net	

Board of Directors

Gerry Tucker, N6NV (650) 326 4908 '03 gerry tucker.@juno.com
Rolf Klibo, N6NF1 (650) 856 -2748 '03 klibo@earthlink.net
Adrianus Schrauwen, W6AJS (650) 494 -6256 '04 hagenees@att.net
Ron Chester, W6AZ (650) 243 2221 appointment ron@taxhelp.com

(see "Calendar" for Board meeting times, visitors welcome)

PAARAgraphs Staff

((50) 404 7020

Editor(650) 494 7038
k6uro@arrl.net
DatabaseLisa Rice, KG6KQS(650) 851-2274
lisarice@earthlink.net
ColumnsVic Black, AB6SO(650) 366 0636
ab6so@smrn.com
Jay Melvin, WA6SBO(650) 726 4361
wa6sbo@arrl.net
(650) 366-9111
terry@incognitoservices.com
Photography, Dick Kors, KM6EP, dk@ofkors.com (650) 965 3766

additional pictures by
Steve Brune KG6OUB, John Larribeau KR6MR, Wally Porter K6URO

PAARAgraphs e-mail address: k6uro@arrl.net Submit material for PAARAgraphs by the 15th Use WORD, rich text, ascii, .pub, or .jpg, zip pictures as attachments.

PAARA Website: www.paara.org

PAARA Forum: http://www.paara.org/forum/

PAARA WEB

Thanks to Andreas Junge, N6NU and

Curt Kolovson, AE6EJ, Webmaster

PAARA has a new web site. Check it out. www.paara.org

NEEDED!!

SOMEONE WITH

COMMERCIAL ART OR LETTERING EXPERIENCE TO HELP IDENTIFY OUR TRAILERS AS 'EMERGENCY COMMUNICATIONS SUPPORT' ETC. CONTACT: GERRY, N6NV 650 326 4908

F. Willard Griffith II 156 Burns Ave. Atherton CA 94027-3030

Tel: 650 322-4551 Fax: 650 327-0717 Cell: 650 464-1532 E-mail: bgriff1996@aol.com

> October 11, 2003 I have the following items for sale to the PAARA membership

Tektronix 545 Oscilliscope (Tubes) \$50 AN/ARC 5 WWII Aircraft transmitter and dynamotor **AM VHF \$100**

Vertical Military Antenna, telescoping, 20 to 114 Mhz motor driven, 115VAC, unknown condition \$25

2Ghz 6 ft. Dish antenna with satellite receiver TV Output \$50 Motorola M-135 tube Aircraft receiver 108 to 131 Mhz. \$20 Conference table 96" by 42" Formica wood grain \$100 Pitney Bowes 6100 hi-speed mailing machine, seals envelopes and applies postage (not addressing) \$150

> Panasonic KX P2130 Dot Matrix Printer \$10 Lots of other parts and goodies, real cheap

All items sold as-is with no guarantees. Bill Griffith W9DDN, email bgriff1996@aol.com Tel: 650-322-4551

Join us for pre-meeting eyeball

QSO Nov 1st

gab & gobble

Food will be served at 6:00 sharp, so guests will be on time for the PAARA meeting. Those arriving late will be responsible for their own food order.

6 pm— at Su Hong Restaurant 1039 El Camino Real Menlo Park

-across from Kepler's Book Store—



2003 Pacificon News:

Christopher McIntyre age 11, passed his Technician License Examination after a long day at the Technician "cram course." This is a huge accomplishment for one of PAARA's favorite members. "Great job Christopher!" "Hams helping one another" was again demonstrated when Kb (KG6QQR) donated his new Pacificon prize of a Kenwood TH-G71A-HP, dual band H.T. to new Technician, Christopher, Mom (Kristen K6WX) is beaming. Don't you love Amateur Radio? Yessss!

Ron Chester W6AZ won the "Best Keyer Award" at Pacificon's Saturday evening ORP event. Ron's innovative and interesting combination of clipboard, log, keyer, and unique audio amplifier consisting of a blue funnel with plastic (pizza lid riser) speaker adapter, set him well above the fierce competition. "Yeaaaa Ron!"

PAARA member KD6OCS Mikey, won the "Pacificon Grand Prize Drawing"

of an

Icom IC-706MkllG HF/VHF transceiver with Power Sup-

It gets more interesting when you consider the fact that prior to the "Grand Prize Drawing", Mikey won a tool kit, his ticket was put back into the raffle drum, and then drawn out again to win the "Grand Prize"!

"I did indeed win the 706. The set of Craftsman pliers was actually won by my dad, Jeff AD6MX who is also a PAARA Member.

I was just holding on to his ticket my ticket only came out of the drum once right at the very end!", Mikey KD6OCS Hi Mikey,

~Jim,K6AK

New Licences

in PAARA area

David W Chamberlin, KG6SGP 1454 Ramon Dr Sunnyvale, CA 94087-5834

James C Johnson, KG6SGW 1413 Ormsby Dr Sunnyvale, CA 94087

Jeffrey R Glass, KG6SGX 1061 The Dalles Ave Sunnyvale, CA 94087

Daniel J Ryan, Jr, KG6SGZ 2081 Cedar Ave Menlo Park, CA 94025-5909

NICOLAS S GIKKAS, KG6SIW 1085 CLARK AVENUE MOUNTAIN VIEW, CA 94040

Janice LCC Senior, KG6SKE 382 Foxborough Dr Mountain View, CA 94041-1603

Katherine A Talbot, KG6SKH 600 Junipero Serra Blvd Stanford, CA 94305

Harold A Jones, II, KG6SKI 475 Woodhams Rd Santa Clara, CA 95051

John B Bley, KG6SKL 3061 La Selva C105 San Mateo, CA 94403

Shawn J Collier, KG6SKN 2868 Ponderosa Way Santa Clara, CA 95051 John B Bley, KG6SKL 3061 La Selva C105 San Mateo, CA 94403

Shawn J Collier, KG6SKN 2868 Ponderosa Way Santa Clara, CA 95051

JASON T WREDE, KG6SMF PO BOX 390456 MOUNTAIN VIEW, CA 94039-0456

Lindsay M Jones, KG6SMR 1171 Shoreline Dr San Mateo, CA 94404-2041

Hennadiy Rez, KG6SQT 1267 Vincente Dr Apt 142 Sunnyvale, CA 94086

JEFFREY E ALLEN, KG6STA 3529 LAGUNA CT PALO ALTO, CA 94306

Andrew C Herkovic, KG6STC 165 Oakdale St Redwood City, CA 94062-1736

Alfeo Caputo, KG6STL 651 Handley Trail Redwood City, CA 94062

Silvano Borsa, KG6STP 651 Handley Trail Redwood City, CA 94062

~Vic AB6SO

Technical Tip

~Vic.Black, AB6SO

There has been a lot of interest in portable and back packing antennas since the February PAARA meeting demo of the

self supporting Saint Louis Vertical Antenna (no guy wires needed). The antenna was designed by the St. Louis QRP Club and is based on a South Bend telescoping fiberglass fishing rod 20 feet long. It collapses to about 40" in length for easy portability. The original fishing rod was a South Bend model, but it is difficult to find.

An almost identical rod is the Black Widow distributed by Cabela's, a mail order outdoor equipment supplier. Several models are available and can be used either alone or in combination to make self supporting verticals or collapsible, rotatable dipoles for various bands. Here's a listing of the various models:

- 1). 10 foot model, closed length 45-1/4 inches, 3 sections, order number BH-11-0503, order code (010). Price: \$10.49.
- 2). 13 foot model, closed length 45-1/4 inches, 4 sections, order number BH-11-0503, order code (013). Price: \$13.99.
- 3). 16-1/2 foot model, closed length 45-1/4 inches, 5 sections, order number BH-11-0503, order code (165). Price: \$17.99.
- 4). 20 foot model, closed length 45-1/2 inches, 6 sections, order number BH-11-0503, order code (020). Price: \$21.99.

These can be ordered by Phone at 1-800-237-4444, 24 hours a day, 7 days a week or by 24 hour Fax Service at 1-800-496-6329. Mail orders can be sent to Cabela's, 812 13th Avenue, Sidney, NE 69160.

Charges for UPS Express Shipping within the continental US are:

\$4.25 for orders of \$0 - \$15,

\$6.25 for orders of \$15.01 - 35.00,

\$7.25 for orders of \$35.01 - \$55.00.

\$8.25 for orders of \$55.01 - \$75.00,

\$9.25 for orders of \$75.01 - \$100.00.

UPS Next Day Air Shipping is also available for Phone orders only. You may want to combine orders with other club members to save on shipping charges (coordinate orders on the Monday night net). Cabela's has an excellent reputation for prompt fulfillment of orders. Run the numbers on the rods, add some PVC pipe and wires and see what kind of antennas you can design. Remember to bring them to show and tell if you come up something interesting.

~Vic, AB6SO

Radio History and Radio Collections...

The Antique Wireless Association The Antique Wireless Association (AWA) is a nonprofit historical society founded in 1952 with about 4,000 members. The AWA publishes The Old Timer's Bulletin, a fabulous resource for those interested in the history of radio, televesion and other electronics, which is available through AWA membership.

Phil's Old Radios - Antique Radio Gallery This is a great site, with a gallery of photographs and pictures of radios in Phil Nelson's collection of Trans-Oceanic radios, Bakelite radios, Tube portables, Transistor Radios and more. The site has some radio restoration and building projects, including a nice one for a short-wave crystal radio. You also can place a free radio want ad on the "unclassified ads" page (the list of ads is long, so we suggest using the find function on your browser to find what you want).

Explore Jonathan Winter's <u>Bellingham Antique Radio Museum</u> online. This museum, located in Bellingham, Washington, is a must see if you're ever going to be visiting the Pacific Northwest. Here you will find old-time radio broadcasts, a crystal radio project (with a detailed introduction about crystal radio sets), images from the Bellingham radio collection, and technical information for radio collectors. <u>Surfing the Aether</u> is an interesting site with the history of radio from pre-1900 to the present, organized by decade. There are also some wonderful sound clips of radio broadcasts such as a report on the attack on Pearl Harbor, a live radio broadcast about the 1937 crash of the Hindenburg, and the panic-causing "Mercury Theater of the Air" by Orson Wells.

Crystal Radio Links...

So you've built the <u>Oatmeal Box Radio</u> on this site, and you want to improve the design? Go to Owen Pool's site, <u>Crystal Radio Resources</u> for his Peanut Specials. Owen's site also has an extensive list of crystal radio links, tips on things such as bandspreading and DX, and plans for building a convertible crystal radio (you can swap in a simple "triode" detector/amplifier), an RF signal booster, and more. Owen is a Society member, and he's one of the resident experts lurking around on <u>Rap 'n Tap</u>, so be sure to give him a warm hello!

SkyWaves. This is Al Klase's site (he's a member too), and he has posted several pages of interest to the crystal radio enthusiast. You'll find "Crystal Set Design" 102, a crystal set tutorial, and some nice tips for mounting crystals to use in detectors. You'll also find photographs of some of Al's radio reproductions, some communication receivers and gear (the Russian maritime radio receiver is a must-see), and information on designing a SWL antenna distribution system for for connecting multiple LF/MF/HF receivers to a single antenna.

There is a new forum on Yahoo! that is devoted to crystal radio. It's called <u>The Crystal Set Radio Club</u>, and it's members are true radio enthusiasts (some of them are members of the Xtal Set Society too). Check it out! ~Vic, AB6SO

Attention Members and Visitors Raffle Prizes for the November 7th PAARA Meeting

4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

*Note: 22 Radios are in the hands of fellow "Hams." Thanks to you and the PAARA Raffle! THANK YOU for your continued SUPPORT of the PAARA Raffle!

The PAARA Raffle is FULL of SURPRISES and YOUR LUCKY DAY may be November 7th.

THREE RADIOS +Two FOURTH place PRIZES **BONUS PRIZE**

Come try your hand at winning the FIRST PRIZE,

Icom IC-2100H, 2 meter, 50W, Mobile (select green or amber display);

SECOND PRIZE:

Digital Camera, 2 Megapixel, 1.5" LCD screen, 2X Digital Zoom; THIRD PRIZE:

> TWO, 14 channel FRS Personal Radios. Don't forget about the TWO /

FOURTH place raffle prizes plus a Bonus Prize of a 1 year subscription to WORLDRADIO.

Enjoy our fabulous speakers, free refreshments, chatting with your friends, and the chance to take home an unbelievable prize. See you at Round Table after the meeting! Kyle and I are having a lot of fun.

THANKS AGAIN FOR MAKING THE MEETINGS VERY EXCITING!

*(March 2003 - November 2003)

Contact

Kyle, KG6MSK for tickets

~Jim,K6AK

PAARA BADGES

to order one, pay membership coordinator

Lisa Rice KG6KQS

lisarice@earthlink.net next meeting pick up from

Don Trask KF6JMQ

kf6jmg@arrl.net or contact at next PAARA meeting

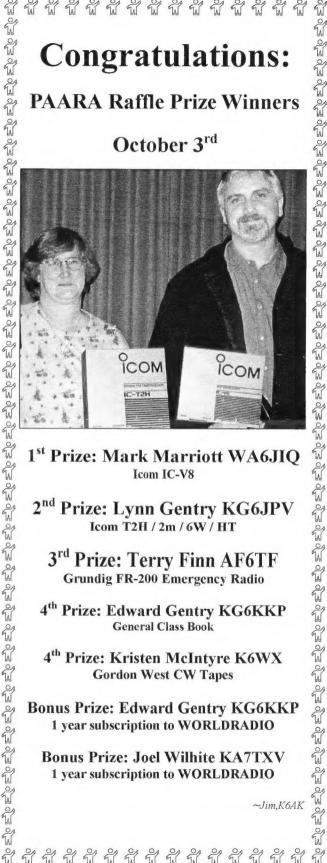
Badge Cost Notice the cost of PAARA badges will increase \$10 will be charged beginning November

Congratulations:

#

PAARA Raffle Prize Winners

October 3rd



1st Prize: Mark Marriott WA6JIO Icom IC-V8

2nd Prize: Lynn Gentry KG6JPV Icom T2H / 2m / 6W / HT

3rd Prize: Terry Finn AF6TF Grundig FR-200 Emergency Radio

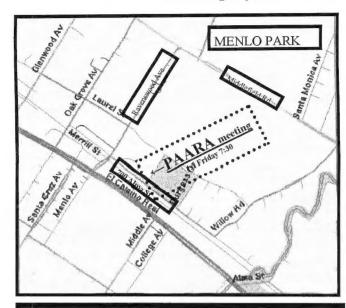
4th Prize: Edward Gentry KG6KKP General Class Book

4th Prize: Kristen McIntyre K6WX **Gordon West CW Tapes**

Bonus Prize: Edward Gentry KG6KKP 1 year subscription to WORLDRADIO

Bonus Prize: Joel Wilhite KA7TXV 1 year subscription to WORLDRADIO

~Jim.K6AK



Want and For Sale ads in PAARAgraphs

are FREE to members

(Submit by e-mail or letter before the 15th of the month)

T. FINN & ASSOCIATES - State License PI 9298

INCOGNITO SERVICES

COMPREHENSIVE PROFESSIONAL INVESTIGATIONS

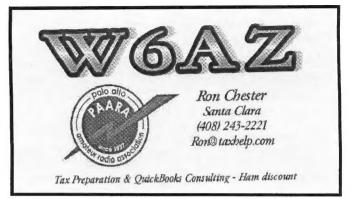
TERRY FINN

Legal Investigations • Surveillance • Covert Video Installations Electronic Countermeasures Equipment & Service

Phone: 650-363-9100

web site: www.incognitoservices.com E-mail: terry@incognitoservices.com

Mailing: P.O. Box 189 • San Carlos, CA 94070-0189 Office: 234 Marshall Street, # 3 • Redwood City, CA



PAARA Radio NET

every Monday evening 8:30 P.M.,local time on the 145.230 -600 MHz repeater

PL tone off

control operators

1st Mon KG6HA, Pinkney Foster 2nd Mon N6NU, Andreas Junge 3rd Mon AD6FX, Jon Zweig 4th Mon AA6PA, Bill Rausch 5th Mon tba

HSC Halted specialties co.

Electronics • Prototyping Supplies • Computers • Lasers

Debra Blanke

Sales

KG6UI

3500 RYDER STREET SANTA CLARA, CA 95051 www.haited.com PHONES: (408) 732-1573 (650) 969-1448 FAX: (408) 732-6428

PAARAgraphs Ad Rates

PAARAgraphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing)

(short personal ass remain free for memoers in good standing).

All ad rates listed are per issue only.

1. Not for profit ads by association members for ham-related items and wants. No cost for husiness card size ads (additional space at \$2.50 per husiness card size).

business card size ads (additional space at \$2.50 per business card size).

2. For Profit organizations and/or individuals: \$5-business card size, \$25-half page, \$50

full page or back cover.

These fees may be reduced or waived in exchange for a valuable consideration that is

These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association.

The PAARAgraphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association. All fees payable in advance by the year with "scanner-ready" copy or text-only ads. Give payment and copy to Bob Korte

PAARA · Palo Alto Amateur Radio Association · P.O. Box 911, Menlo Park, California 940260911

Club meetings are on the first Friday of each month, 7:30pm at the Menlo Park Recreation Center, 700 Alma Street, Menlo Park, CA
 Radio NET every Monday evening, at 8:30pm, on the 145.230-600 MHz repeater, PL tone off.

Membership in PAARA is \$12.00 per calendar year which includes a subscription to PAARAgraphs, \$6 for additional family members (no newsletter).

Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026 -0911

Permission is granted to reprint from this publication with appropriate source credit.





Palo Alto Amateur Radio Association, Inc. PAARAgraphs Newsletter P.O. Box 911 Menlo Park, California 94026

FIRST CLASS MAIL

PAARA Website:

www.paara.org

PAARA Forum:

http://www.paara.org/forum/



Sunnyvale, 510 Lawrence Exp. #102 (408) 854-6046